

Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade K			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	GA	MA.K.MKP3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Finding the Center of Gravity Using Rulers	GA	MA.K.MKP3.d	Use the language of mathematics to express mathematical ideas precisely.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 1			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	GA	MA.1.M1P3.a	Organize and consolidate their mathematical thinking through communication.
Finding the Center of Gravity Using Rulers	GA	MA.1.M1P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Finding the Center of Gravity Using Rulers	GA	MA.1.M1P3.d	Use the language of mathematics to express mathematical ideas precisely.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 2			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	GA	MA.2.M2P3.a	Organize and consolidate their mathematical thinking through communication.
Finding the Center of Gravity Using Rulers	GA	MA.2.M2P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Finding the Center of Gravity Using Rulers	GA	MA.2.M2P3.d	Use the language of mathematics to express mathematical ideas precisely.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 3			
Activity/Lesson	State	Standards	

Finding the Center of Gravity Using Rulers	GA	MA.3.M3P3.a	Organize and consolidate their mathematical thinking through communication.
Finding the Center of Gravity Using Rulers	GA	MA.3.M3P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Finding the Center of Gravity Using Rulers	GA	MA.3.M3P3.d	Use the language of mathematics to express mathematical ideas precisely.
Finding the Center of Gravity Using Plumb Lines	GA	MA.3.M3P3.a	Organize and consolidate their mathematical thinking through communication.
Finding the Center of Gravity Using Plumb Lines	GA	MA.3.M3P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Finding the Center of Gravity Using Plumb Lines	GA	MA.3.M3P3.d	Use the language of mathematics to express mathematical ideas precisely.
Changing the Center of Gravity Using Moment Arms	GA	MA.3.M3P3.a	Organize and consolidate their mathematical thinking through communication.
Changing the Center of Gravity Using Moment Arms	GA	MA.3.M3P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Changing the Center of Gravity Using Moment Arms	GA	MA.3.M3P3.d	Use the language of mathematics to express mathematical ideas precisely.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 4			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	GA	MA.4.M4P3.a	Organize and consolidate their mathematical thinking through communication.
Finding the Center of Gravity Using Rulers	GA	MA.4.M4P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Finding the Center of Gravity Using Rulers	GA	MA.4.M4P3.d	Use the language of mathematics to express mathematical ideas precisely.
Finding the Center of Gravity Using Plumb Lines	GA	MA.4.M4P3.a	Organize and consolidate their mathematical thinking through communication.
Finding the Center of Gravity Using Plumb Lines	GA	MA.4.M4P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Finding the Center of Gravity Using Plumb Lines	GA	MA.4.M4P3.d	Use the language of mathematics to express mathematical ideas precisely.

Changing the Center of Gravity Using Moment Arms	GA	MA.4.M4P3.a	Organize and consolidate their mathematical thinking through communication.
Changing the Center of Gravity Using Moment Arms	GA	MA.4.M4P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Jet Propulsion	GA	MA.5.M5P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Vectoring	GA	MA.5.M5P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Center of Gravity, Pitch, Yaw	GA	MA.5.M5N5.a	Explore and model percents using multiple representations.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Jet Propulsion	GA	MA.6.M6D1.e	Relate the data analysis to the context of the questions posed.
Jet Propulsion	GA	MA.6.M6P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Vectoring	GA	MA.6.M6D1.e	Relate the data analysis to the context of the questions posed.
Vectoring	GA	MA.6.M6P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Center of Gravity, Pitch, Yaw	GA	MA.6.M6N1.g	Solve problems involving fractions, decimals, and percents.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Jet Propulsion	GA	MA.7.M7P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.

Vectoring	GA	MA.7.M7A2.a	Given a problem, define a variable, write an equation, solve the equation, and interpret the solution.
Vectoring	GA	MA.7.M7P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Fuel Efficiency	GA	MA.7.M7A3.b	Represent, describe, and analyze relations from tables, graphs, and formulas.
Fuel Efficiency	GA	MA.7.M7D1.f	Analyze data using appropriate graphs, including pictographs, histograms, bar graphs, line graphs, circle graphs, and line plots introduced earlier, and using box-and-whisker plots and scatter plots.
Exploring the Extreme			
2004 Mathematics			
Performance Standards			
Georgia Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Jet Propulsion	GA	MA.8.M8P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Jet Propulsion	GA	MA.8.M8A1.d	Solve equations involving several variables for one variable in terms of the others.
Vectoring	GA	MA.8.M8P3.b	Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.
Fuel Efficiency	GA	MA.8.M8A1.a	Represent a given situation using algebraic expressions or equations in one variable.